

ABSTRACT

Multi-tier system for digital radio communication. The multi-tier system has a first-tier base station with relatively long-range radio and has a second-tier base station with relatively short-range, low power and cheaper radios. The system can be more versatily configured to meet demands of various applications. The application may include data capture using bar code readers, radio frequency readers and other automatic data capture devices. The system may also be used to control hotel door locks, individual room temperature control, remote video monitoring -- all without having to wire and with much flexibility given the two types of radios employed.